PANORAMAdtv the Video Division of Wohler

RM-2435-HD™ QUAD 3.5-INCH HD/SD-SDI MONITOR

Wohler Solutions: Unsurpassed Quality, Service, and Value Delivered by the Leader in Broadcast Monitoring Applications

The RM-2435-HD is designed for confidence monitoring of SDI and HDSDI video with embedded audio in the production environment. Each of the screens can display standard or high definition video in a high resolution 640 x 480 format plus has meters for 8 channels of audio.

Additional overlays can be added by the operator for Safe Area and Safe Title markers, Center mark, Time Code, and Display Name. Audio and Time code are derived from embedded SDI.

The slim and light weight design provides four screens in a very compact 2 rack units, while the chassis has only 2.25 inches of depth.

FEATURES

- 4 PAIRS OF ON-SCREEN BARGRAPH METERS
- TIME CODE DISPLAY FROM EMBEDDED HD/SD-SDI
- 16:9 OR 4:3 ASPECT RATIOS
- SAFE AREA DISPLAY MARKER
- SAFE TITLE DISPLAY 90% AND 80%
- FRAME MARKS 4:3, 2.35:1, 1.85:1, 15:9, 14:9, 13:9
- USER PROGRAMMED FUNCTION BUTTONS
- IN MONITOR DISPLAY UP TO 10 CHARACTERS IN RED, YELLOW, GREEN. OR WHITE
- DESIGNED FOR HIGH RESOLUTION HD IMAGING
- INSTALLS IN 19-INCH EQUIPMENT RACK
- SLEEK AND COMPACT DESIGN WITH NO WASTED SPACE

PANORAMA dtv
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RM-2435-HD QUAD 3.5-INCH HD/SD-SDI MONITOR

GENERAL/PHYSICAL SPECIFICATIONS

Power Requirements	12 VDC
Power Consumption	Approximate 10 Watts
Dimensions (Basic) (W x H x D)	19 x 3.5 x 2.2 (inch), 482.6 x 88.9 x 55.88 (mm)
Weight Approximate	2 lbs / .9 kg
Space Required	2 rack units of EIA-19 standard equipment rack
Supplied Accessories	AC power adapter
Optional Accessories	None available

TECHNICAL SPECIFICATIONS

Inputs (Connector)	SDI (BNC) 270 Mbs (SD Model) HD/SD-SDI (BNC) 270 Mbs - 1.48 Gbs (HD Model) Tally (HD-15)
Outputs	Reshaped and Reclocked HD/SD-SDI (BNC)
Display Type	Active color matrix amorphous Silicon TFT
Screen Treatments	Anti-glare 3H hardness
Active Viewing Area	2.83" (H) x 2.07" (V), 72mm(H) x 52.57mm(V)
Resolution	640 x 480
Pixel Pitch	0.1125mm (H) x 0.1095mm (V) per RGB pixel cluster
Pixel Response	<30 ms
Luminance	250 cd/m^2
Contrast	350:1
Viewing Angle	110˚H 50˚V measured edge-to-edge
Chromacity	60% ITU-R BT.709-5, SMPTE C and EBU profiles
Color Depth	262,000 colors

Specifications and features subject to change. 4/08

BENEFITS

- **Compact Design** – Occupies only 2RU.
- **Low Weight** – Under 2 lbs. Using Panoramadtv monitors in an OB-Van can save thousands of pounds gross weight resulting in significant savings for interstate transportation tolls and fuel expenditures.
- **Low Power** – Requires 80% less power than a 4 individual small screen CRT unit.
- **Environmentally Friendly** – The components used in the construction of the RM-2435-HD units contain no contaminates compared to a CRT that has several pounds of Lead and other hazardous substances.
- **Brighter Screen** – Each RM-2435-HD screen can be easily adjusted to a brightness of 350-cd/m^2 and can be used in a much wider range of ambient lighting conditions that the typical CRT at 100-cd/m^2.
- **Accurate Color Reproduction** – The RM-2435-HD is a totally digital device and, unlike CRTs, uses the end to end precision of CCIR-601/656 digital values for chrominance and luminance while producing 60% color gamut.
- **Valuable Features For Production** – Frame markers and area markers provide the correct tools for shot composition in any environment.
- **Display Metering For Up to 8 Channels of Audio** – Saves cost and space where only signal level and peak display are needed.
- **Audio Headphone Out** – The audio from any screen can be selected to the headphone providing aural confidence of signal.

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